

## **EXHIBIT C**

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12/3/2008

### **I. Classes of Biomaterials Used in Bone Repair**

#### **1. Synthetic Polymer, 84**

##### **a. Homopolymer**

- i. Bioabsorbable, 45 (Poly L-lactic acid [PLLA], Poly D-lactic acid, [PDLA], Poly DL-lactic acid [PDLA], Polyglycolic acid [PGA], Polycaprolactone [PCL], Polyethylene glycol [PEG], Polyanhydride, Poly D-glutamic acid, Poly L-glutamic acid, Poly D-lysine, Poly L-lysine, Poly D-tyrosine, Poly L-tyrosine, etc.)
  1. Granules
  2. Block
  3. Injectable
- ii. Nonabsorbable, 6 (Polymethyl methacrylate [PMMA], Polyether ether ketone [PEEK])
  1. Granules
  2. Block
  3. Injectable

##### **b. Copolymers**

- i. Bioabsorbable, 30 (Polylactic-co-glycolic acid [PLGA], Polycaprolactone-co-lactic acid [PCL], Polycaprolactone-co-glycolic acid, Polyethylene glycol-co-lactic acid, Polyethylene glycol-co-glycolic acid, Polyglycerol-sebacate [PGS], etc.)
  1. Granules
  2. Block
  3. Injectable
- ii. Nonabsorbable, 3 (Polymethyl methacrylate-co-styrene)
  1. Granules
  2. Block
  3. Injectable and Settable

#### **2. Natural Polymers, 8**

##### **a. Collagen**

1. Granules
2. Felt
3. Injectable paste

##### **b. Gelatin**

##### **c. Hyaluronic acid**

1. Granules
2. Felt
3. Injectable paste

##### **d. Fibrin**

#### **3. Bioceramic, 20**

##### **a. Pure Hydroxyapatite (HA), 5**

- i. Bioabsorbable (Sintered HA)
      - 1. Granules
      - 2. Block
    - ii. Nonabsorbable (Non-sintered HA)
      - 1. Granules
      - 2. Block
      - 3. Injectable Paste
  - b. Tricalcium Phosphate (TCP),  $\frac{4}{4}$ 
    - i.  $\alpha$ -TCP
      - 1. Granules
      - 2. Block
    - ii.  $\beta$ -TCP
      - 1. Granules
      - 2. Block
  - c. Calcium Phosphates,  $\frac{6}{6}$  (HA/TCP)
    - i. Bioabsorbable
      - 1. Granules
      - 2. Block
      - 3. Cement
    - ii. Nonabsorbable
      - 1. Granules
      - 2. Block
      - 3. Cement
  - d. Calcium Sulfate,  $\frac{3}{3}$ 
    - 1. Granules
    - 2. Block
    - 3. Cement
  - e. Bioglasses,  $\frac{3}{3}$ 
    - 1. Granules
    - 2. Block
    - 3. Cement
  - f. Aluminum oxide,  $\frac{1}{1}$
  - g. Zirconium oxide,  $\frac{1}{1}$

#### **4. Non-demineralized Allograft Bone, $\frac{4}{4}$**

- a. Cancellous bone
  - 1. Granules
  - 2. Block
- b. Cortical bone
  - 1. Granules
  - 2. Block

#### **5. Metal, $\frac{3}{3}$**

- a. Silver
- b. Titanium

- c. Tantanum

**6. Composite, ~>100**

- a. Polymer and Bioceramic Composite
  - i. Bioabsorbable
  - ii. Nonabsorbable
- b. Polymer and Polymer Composite
  - i. Bioabsorbable
  - ii. Nonabsorbable
- c. Polymer and Allograft bone Composite
- d. Allograft bone and Bioceramic Composite